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Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Jeffrey T. Helvey Heidi L. Kraus Albert L. Ferro* Donald R. Banowit Peter A. Jackman Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Vincent L. Capuano Eldora Ellison Floyd Thomas C. Fiala Brian J. Del Bunon Virgil Lee Beaston Theodore A. Wood Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Christine M. thuller Rae Lynn P. Guest George S. Bardmesser Jason D. Eisenberg Michael D. Specht Andrea J. Kamage Tracy L. Muller* LuAnne M. DeSantis Ann E. Summerfield Aric W. Ledford* Helene C. Carlson Timothy A. Doyle* Gaby L. Longsworth Lori A. Gordon* Nicole D. Dretar*

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*Admitted only in Maryland *Admitted only in Virginia •Practice Limited to Federal Agencies

February 18, 2005

WRITER'S DIRECT NUMBER: (202) 772-8591 INTERNET ADDRESS: JMILLS@SKGF.COM

Mail Stop: Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Appl. No. 10/058,291; Filed: January 30, 2002

Recombinational Cloning Using Engineered Recombination Sites

Inventors:

HARTLEY et al.

Our Ref:

0942.285000I/RWE/BJD/JKM

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fourth Supplemental Information Disclosure Statement;
- 2. List of cited references on Form PTO-1449 (6 sheets);
- 3. Copies of references AN9 and AT111-AR116 listed on Form PTO-1449 (15 documents);
- 4. Fifth Supplemental Information Disclosure Statement;
- 5. List of cited references on Form PTO-1449 (8 sheets);
- 6. Copies of references AS116-AT121 listed on Form PTO-1449 (17 documents);
- 7. Sixth Supplemental Information Disclosure Statement;
- 8. List of cited references on Form PTO-1449 (14 sheets);
- 9. Copies of references AL20-AP20, AR200-AT200, AL21-AP21, AR201-AT201, AL22-AP22, AR202-AT202, AL23-AP23, AR203-AT203, AL24-AM24 and AR204-AS213 listed on Form PTO-1449 (63 documents);

Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents February 18, 2005 Page 2

- 10. Seventh Supplemental Information Disclosure Statement;
- 11. List of cited references on Form PTO-1449 (2 sheets);
- 12. Copies of references AN24 and AT213-AR214 listed on Form PTO-1449 (3 documents);
- 13. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey K. Mills

Agent for Applicants Registration No. 56,413

BJD/JKM:bac Enclosures

366447_1.DOC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Hartley et al.

Appl. No.: 10/058,291

Filed: January 30, 2002

For: Recombinational Cloning Using

Engineered Recombination Sites

Confirmation No.: 3302

Art Unit:

1636

Examiner:

Akhavan, Ramin

Atty. Docket: 0942.285000I/RWE/BJD/JKM

Fourth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each document is provided.

The numbering on this Fourth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Third Supplemental Information Disclosure Statement filed August 25, 2003, in connection with the above-captioned application.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey K. Mills

Agent for Applicants

Registration No. 56,413

Date: <u>[20.17, 2005]</u> 1100 New York Avenue, N.W. Washington, D.C. 20005-3934

(202) 371-2600 293420_1.DOC In re application of:

Hartley et al.

Appl. No.: 10/058,291

Filed: January 30, 2002

For:

Recombinational Cloning

Using Engineered **Recombination Sites** Confirmation No.: 3302

Art Unit:

1636

Examiner:

Akhavan, Ramin

Atty. Docket: 0942.285000I/RWE/BJD/JKM

Fifth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

The numbering on this Fifth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Fourth Supplemental Information Disclosure Statement filed herewith, in connection with the above-captioned application.

Copies of documents AR122-AT122 and AR123-AT123 are not provided in accordance with the U.S. Patent and Trademark Office OG notice of October 19, 2004, which states: "the requirement in 37 C.F.R. § 1.98(a)(2)(iii) for a legible copy of the specification, including the claims, and drawings of each cited pending U.S. patent application (or portion of the application which caused it to be listed) is sua sponte waived where the cited pending application is stored in the USPTO's IFW system." A copy of each other document is provided.

The Examiner's attention is directed to the following co-pending U.S. Patent Applications, which are directed to related technical subject matter:

- U.S. Patent Application No. 09/984,239, Brasch *et al.*, filed October 29, 2001 and cited herewith as document **AR122**;
- U.S. Patent Application No. 10/633,690, Byrd et al., filed August 5, 2003 and cited herewith as document AS122;
- U.S. Patent Application No. 10/877,952, Welch *et al.*, filed July 28, 2004 and cited herewith as document **AT122**;
- U.S. Patent Application No. 10/913,501, Chesnut *et al.*, filed August 9, 2004 and cited herewith as document **AR123**;
- U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 and cited herewith as document AS123; and
- U.S. Patent Application No. 11/000,371, Chesnut *et al.*, filed December 1, 2004 and cited herewith as document **AT123**.

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey K. Mills

Agent for Applicants

Registration No. 56,413

Date: <u>Feb. (F, 2005</u> 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 362275 1.DOC IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hartley et al.

Appl. No.: 10/058,291

Filed: January 30, 2002

Recombinational Cloning For:

> Using Engineered **Recombination Sites**

Confirmation No.: 3302

Art Unit:

1636

Examiner:

Akhavan, Ramin

Atty. Docket: 0942.285000I/RWE/BJD/JKM

Sixth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Copies of documents AA20-AK20, AA21-AK21, AA22-AK22 and AA23-AH23 are not provided in accordance with the Changes To Support Implementation of the United States Patent and Trademark Office 21st Century Strategic Plan, effective October 21, 2004, which states "section 1.98(a)(2)(i) is amended to eliminate the requirement in paragraph (a)(2)(i) for a copy of each U.S. patent or U.S. patent application publication listed in an IDS in a patent application regardless of the filing date of the application." A copy of each other document is provided.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regard to non-English language documents AL20 and AM20 cited on Form PTO 1449:

Document AL20, French Patent Publication No. FR 2 670 502, is in the French language. Document AM20, PCT Patent Publication No. WO 92/10577, is in the French language. An unverified English language abstract of documents AL20 and AM20 is attached as document AS213.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey K. Mills

Agent for Applicants

Registration No. 56,413

Date: <u>Feb. / F. 2005</u> 1100 New York Avenue, N.W. Washington, D.C. 20005-3934

(202) 371-2600 362283_1.DOC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Hartley et al.

Appl. No.: 10/058,291

Filed: January 30, 2002

For: Recombinational Cloning

Using Engineered Recombination Sites

Confirmation No.: 3302

Art Unit:

1636

Examiner:

Akhavan, Ramin

Atty. Docket: 0942.285000I/RWE/BJD/JKM

Seventh Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

The numbering on this Seventh Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Sixth Supplemental Information Disclosure Statement filed herewith, in connection with the above-captioned application.

Copies of documents AI23-AK23 and AA24-AE24 are not provided in accordance with the Changes To Support Implementation of the United States Patent and Trademark Office 21st Century Strategic Plan, effective October 21, 2004, which states "section 1.98(a)(2)(i) is amended to eliminate the requirement in paragraph (a)(2)(i) for a copy of each U.S. patent or U.S. patent application publication listed in an IDS in a patent application regardless of the filing date of the application." A copy of each other document is provided.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed

publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey K. Mills

Agent for Applicants

Registration No. 56,413

Date: <u>Feb. 18, 2005</u> 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 362294_1.DOC

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ATTY. DOCKET NO. 0942.285000I/RWE/BJD/JKM

APPLICATION NO. 10/058,291

Page 2 of 8

APPLICANT(S)

Hartley et al.

FILING DATE
January 30, 2002

ART UNIT 1636

U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER FILING DATE DATE NAME CLASS SUB-CLASS AA AB AC AD AE ΑF AG ΑH ΑI AJ. ΑK FOREIGN PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes ΑL No Yes AM No Yes AN No Yes AO No Yes AP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Heyman, J.A., et al., "Genome-Scale Cloning and Expression of Individual Open Reading 117 AR Frames Using Topoisomerase I-Mediated Ligation," Genome Res. 9:383-392, Cold Spring Harbor Laboratory Press (April 1999) Ohara, O., and Temple, G., "Directional cDNA library construction assisted by the in vitro AS <u>117</u> recombination reaction," Nucl. Acids Research 29:e22(1-8), Oxford University Press (February 2001) Russell, M., "A recombination-based cloning system that decreases time to protein analysis," ΑT 117 Am. Biotechnol. Lab. 18:8,10, International Scientific Communications, Inc. (June 2000) **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to Applicant.

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Page 5 of 8

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AR 121 Office Action for U.S. Patent Application No. 09/907,719 mailed on December 28, 2004	
AS 121 Office Action for U.S. Patent Application No. 09/432,085, mailed on December 28, 2004	
AT 121 Office Action for U.S. Patent Application No. 10/796,868, mailed on January 25, 2005	
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Page 6 of 8

		FORM	4 PTO 1440		ATTY. DOCKET NO. 0942.285000I/RWE/BJD/JKN		LICATION NO. 058,291	Tage / Ot 6		
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			OTHER (Incl	uding Aut	hor, Title, Date, Pertinent Pages,	etc.)				
	AR	122	U.S. Patent App (NOT PUBLISE	olication No HED)	o. 09/984,239, Brasch <i>et al.,</i> file	d Octobe	er 29, 2001			
	AS	122	U.S. Patent App (NOT PUBLISH	lication No	o. 10/633,690, Byrd <i>et al</i> ., filed	August 5	5, 2003			
	AT	122	U.S. Patent App (NOT PUBLISH	lication No IED)	o. 10/877,952, Welch <i>et al</i> ., filed	d July 28	, 2004			
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	AR	123	U.S. Patent App (NOT PUBLISE		o. 10/913,501, Chesn	ut <i>et al</i> ., filed	l Augus	st 9, 2004		
	AS	123	U.S. Patent App (NOT PUBLISH	lication No HED)	o. 10/970,635, Hanso	n, filed Octol	oer 22,	2004		
	АТ	123	U.S. Patent App (NOT PUBLISH		o. 11/000,371, Chesnu	ut <i>et al</i> ., filed	Decen	nber 1, 2004		
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Page 8 of 8

Page 1 of 14 ATTY. DOCKET NO. APPLICATION NO. 0942.285000I/RWE/BJD/JKM 10/058,291 FEB 1 8 2005 FORM PTO-1449 APPLICANT(S) Hartley et al. SIXTH SUPPLEMENTA FILING DATE ART UNIT INFORMATION DISCLOSURE ST January 30, 2002 1636 U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA20 4,808,537 02/28/1989 Stroman et al. 10/30/1984 AB20 4,855,231 08/08/1989 Stroman et al. 09/25/1985 AC20 4,959,217 09/25/1990 Sanders et al. 05/22/1986 AD20 5,451,513 09/19/1995 Maliga et al. 08/25/1993 5,654,182 Wahl et al. AE20 08/05/1997 06/07/1995 AF20 6,066,778 05/23/2000 Ginsburg et al. 11/06/1996 AG20 2002/0007051 01/17/2002 Cheo et al. 12/11/2000 AH20 2002/0068290 06/06/2002 Yarovinsky 05/31/2001 AI20 2002/0094574 07/18/2002 | Hartley et al. 05/16/2001 AJ20 2002/0106797 08/08/2002 | Miles et al. 03/12/2001 AK20 2002/0172997 11/21/2002 | Hartley et al. 07/19/2001 FOREIGN PATENT DOCUMENTS **EXAMINER** DATE INITIAL DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION AĹ20 Yes FR 2 670 502 06/19/1992 | France No Yes -AM20 WO 92/10577 06/25/1992 **WIPO** No Yes AN20 WO 94/20604 09/15/1994 **WIPO** No Yes AÓ20 WO 96/19497 06/27/1996 **WIPO** No Yes AP20 WO 00/29000 05/25/2000 **WIPO** No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Agah, R., et al., "Gene Recombination in Postmitotic Cells. Targeted Expression of Cre Recombinase Provokes Cardiac-restricted, Site-specific Rearrangement in Adult Ventricular AR 200 Muscle In Vivo," J. Clin. Invest. 100:169-179, The American Society for Clinical Investigation, Inc. (July 1997) Benoist, C. and Chambon, P., "In vivo sequence requirements of the SV40 early promoter AS 200 region," Nature 290:304-310, Macmillan Journals, Ltd. (1981) Botstein, D., et al., "Making Mutations In Vitro and Putting Them Back Into Yeast," in From

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Gene to Protein: Translation into Biotechnology, Ahmad, F., et al., eds., Academic Press,

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- N	AB21	- 2	2002/0192819	12/19/2002	Hartley et al.			07/19/2001
	AC21	1	2003/0027289	02/06/2003	Farmer			04/05/2002
	AD21		2003/0054552	03/20/2003	Hartley et al.			01/30/2002
-	AE21	2	2003/0054555	03/20/2003	Farmer et al.			09/17/2002
	AF21	2	2003/0059900	03/27/2003	Farmer			01/17/2002
	AG21	2	2003/0064515	04/03/2003	Hartley et al.	7.2		01/30/2002
	AH21	1	2003/0068799	04/10/2003	Hartley et al.			06/06/2002
	Al21	2	2003/0077804	04/24/2003	Byrd et al.			04/19/2002
	AJ21	2	2003/0100110	05/29/2003	Hartley et al.			11/02/1999
	AK21	7	2003/0124555	07/03/2003	Brasch et al.			05/21/2002
			F	OREIGN PAT	TENT DOCUMENTS		<u> </u>	
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	AL21	- 1	WO 00/52027	09/08/2000	WIPO			Yes No
	AM21		WO 00/52141	09/08/2000	WIPO			Yes No
	AN21	, 1	WO 01/25466	04/12/2001	WIPO			Yes No
	AO21	- İ	WO 01/31039	05/03/2001	WIPO			Yes No
	AP21	7	WO 01/42509	06/14/2001	WIPO			Yes No
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pages, et	c.)		
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ATTY. DOCKET NO. APPLICATION NO. 0942.285000I/RWE/BJD/JKM 10/058,291 FORM PTO-1449 APPLICANT(S) Hartley et al. SIXTH SUPPLEMENTAL FILING DATE ART UNIT INFORMATION DISCLOSURE STATEMENT January 30, 2002 1636 **U.S. PATENT DOCUMENTS** EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA22 2003/0153055 08/14/2003 Miles et al. 02/20/2003 AB22 2003/0157662 08/21/2003 Gerard et al. 11/13/2002 AC22 2003/0157716 08/21/2003 Hartley et al. 11/02/2001 AD22 2003/0175970 09/18/2003 Hartley et al. 11/21/2002 2003/0176644 09/18/2003 Byrd et al. AE22 02/07/2002 AF22 2003/0186233 10/02/2003 Chesnut et al. 12/07/2001 AG22 2003/0220249 11/27/2003 Hackett et al. 02/07/2003 AH22 2004/0040053 02/26/2004 Nomura et al. 11/22/2002 AI22 2004/0053412 03/18/2004 Hartley et al. 03/26/2003 AJ22 2004/0063207 04/01/2004 Hartley et al. 10/08/2003 AK22 6,720,140 04/13/2004 | Hartley et al. 02/04/2000 FOREIGN PATENT DOCUMENTS **EXAMINER** DOCUMENT NUMBER DATE COUNTRY INITIAL CLASS SUB-CLASS **TRANSLATION** Yes AL22 WO 02/08391 01/31/2002 WIPO No Yes AM22 WO 02/16594 WIPO 02/28/2002 No Yes AN22 -WO 02/46372 06/13/2002 WIPO No Yes WO 02/061034 AO22 08/08/2002 WIPO No Yes AP22 WO 02/62957 08/15/2002 **WIPO** No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Crellin, P.K. and Rood, J.I., "The Resolvase/Invertase Domain of the Site-Specific Recombinase TnpX Is Functional and Recognizes a Target Sequence That Resembles the AR <u> 202</u> Junction of the Circular Form of the Clostridium perfringens Transposon Tn4451." J. Bacteriol. 179:5148-5156, American Society for Microbiology (August 1997) Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA AS protein," Proc. Natl. Acad. Sci. USA 95:2152-2157, National Academy of Sciences (March <u> 202</u> 1998) Golic, K.G. and Golic, M.M., "Engineering the Drosophilia Genome: Chromosome ΑT 202 Rearrangements by Design," Genetics 144:1693-1711, The Genetics Society of America (1996)**EXAMINER** DATE CONSIDERED

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Page 3 of 14

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	AA23	20	04/0171156	09/02/2004	Hartley et al.			04/02/2004	
	AB23	20	04/0171157	09/02/2004	Hartley et al.			04/08/2004	
	AC23	20	04/0219516	11/04/2004	Bennett et al.			07/18/2003	
	AD23	20	04/0219673	11/04/2004	Hartley et al.			03/10/2004	
	AE23	20	04/0229229	11/18/2004	Cheo et al.			08/14/2003	
	AF23	20	04/0253631	12/16/2004	Hartley et al.			07/19/2004	
	AG23	20	04/0265863	12/30/2004	Chesnut et al.			03/04/2004	
	AH23	20	05/0009091	01/13/2005	Hartley et al.			08/19/2004	
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	AL23	W	O 02/86144	10/31/2002	2 WIPO			Yes No	
	AM23	W	O 02/095055	11/28/2002	WIPO			Yes No	
	AN23 · ·	W	O 03/025161	03/27/2003	WIPO			Yes No	
	AO23	W	O 03/044207	05/30/2003	WIPO			Yes No	
	AP23./	W	O 03/103600	12/18/2003	WIPO			Yes No	
	3		OTHER (Incl	uding Autho	r, Title, Date, Pertinent Pages, e	tc.)	77.50		
	AR 2	<u>203</u>	Gottesman, S., " 18:415-441, Ann		egulation: Global Regulatory N s, Inc. (1984)	etworks	," Ann. Rev.	Genet.	
i i	AS 2	:03	Guo, F., et al., "recombination sy	Structure of ynapse," Nai	Cre recombinase complexed was a superior with the second second with the complexed with the second s	rith DNA	A in a site-sp up (Septemb	ecific er 1997)	
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	AR	<u>204</u>	Hamer, D.H. and Induces the Trans Genet. 1:273-28	scription of	I., "Regulation <i>In Vivo</i> of a Ca Mouse Metallothionein Gess (1982)	Cloned Mane in SV4	mmalian Ge 10 Vectors,"	ene: Cadmium J. Mol. Appl.		
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·	AT	<u>204</u>	into a Bacterial	Chromosome	ient and Reversible Site-Spec by Use of the FLP Recombi merican Society for Microbio	nase: the	FLIRT Syste	ogenous DNA em," <i>J</i> .		
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	AS	207	Nunes-Düby, S. University Press		λ Integrase cleaves DNA in α	cis," E	MBO	J. 13:4421-4	4430, Oxford
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	AR	208	Vaccinia Topois	omerase an -3896, The	, S., "Hisitidine 265 Is Im d Is Conserved in All Eul American Society for Bio	karyotic	Type I	Enzymes,"	J. Biol.
	AS	208	Rausch, H. and l	Lehmann, N es. 19:5187-	1., "Structural analysis of -5189, IRL Press (1991)	the acti	nophag	ge ФС31 atta	achment site,"
	AT	208	Tyrosine Kinase	s Modifies 1 2130 ^{gag-fps} ,"	catalytic Domain Conservathe Kinase Function and Mol. Cell. Biol. 6:4396-4	Transfor	ming A	Activity of F	otein- ujinami
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	AS	209		n site," Prod	TLP recombinase of the yeast 2- c. Natl. Acad. Sci. USA 82:7270			
	AT	<u>209</u>		:5695-5702	P.D., "The Cre Recombinase C, The American Society for Bio			
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Page 10 of 14

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	AR	210	Shirai, M., et al. Chromosome of American Societ	Streptomyc	cific Integration of the Actinophaces parvulus upon Lysogenization obiology (1991)	age R4 (n," <i>J. B</i>	Genome into	the 3:4237-4239,
	AS	210	Shuman, S., et a. Escherichia coli, and Molecular B	i," J. Biol. C	terization of Vaccinia Virus DNA Chem. 263:16401-16407, The An	A Topoi nerican	somerase I F Society for I	Expressed in Biochemistry
	АТ	210	Minimal DNA S	Substrate for	Interaction of Vaccinia Virus Top r Strand Cleavage <i>In Vitro</i> ," <i>J. B</i> nemistry and Molecular Biology,	iol. Che	em. 266:1137	Ouplex DNA. 72-11379, The
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	AS	211			terminus of the yeast <i>GAL4</i> ge cad. Sci. USA 81:5951-5955, N				
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	AT	211	Stark, W.M., et a Elsevier Science		sis by site-specific recombinas	es," <i>Trer</i>	nds Genet. 8:	432-439,	
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	AT	<u>/</u> 212	probe plasmid ve	ectors for Sti	etion and characterisation of a sereptomyces using the aminoglyon. Gen. Genet. 203:468-478, Springer.	oside p	hosphotrans	promoter- ferase gene
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ATTY. DOCKET NO. 2942.285000I/RWE/BJD/JKM APPLICANT(S)

APPLICATION NO. 10/058,291

Page 2 of 6

ART UNIT 1636

Hartley et al. FILING DATE FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENTANDE January 30, 2002

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ATTY. DOCKET NO. 0942.285000I/RWE/BJD/JKM APPLICANT(S) APPLICATION NO. 10/058,291

Page 4 of 6

Hartley et al.
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	AS	114		Bacterial Fi	c Analysis of a Plasmid-Enitness," <i>J. Bacteriol. 176</i> :3			
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	AS	115	Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis U Vaccinia DNA Topoisomerase," <i>J. Biol. Chem.</i> 269:32678-32684, American Society Biochemistry and Molecular Biology, Inc. (1994)					
	AT	115		e-specific r	esite manipulation of tor ecombination," <i>Plant M</i> mber 27,1996)			
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